

Serial No.: 10/757,159
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Group Art Unit: 3767

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IN THE SPECIFICATION:

Please delete the paragraph which begins on page 5, line 21 and ends on page 6, line 5 and replace with the following:

--The outer diameter (OD) of the screw 10s and pitch of its threads 10t can take multiple forms depending on the delivery requirements (e.g., shear-sensitive ~~injectable~~ injectable material 13 with more matrix material requires more pressure to deliver). A helical element with a larger OD will allow increased pressure to be exerted on the shear-sensitive injectable material 13; however, this is counterbalanced by increased back-pressure from the shear sensitive injectable material 13, especially at the output end 16 of the injector system 9. In one embodiment of the invention (not shown) the OD of the screw 10s approaches the diameter of the lumen 7L. In another embodiment, shown in Figure 3B, a screw 10s is provided having an OD which gradually decreases from the driving system connection end 17 to the output end 16 of the device, having an OD which is just slightly smaller than the diameter of the lumen 7L proximal to the driving system connection end 17. This design prevents excessive pressure on the shear-sensitive injectable material 13 at the output end 16. A similar effect may be achieved by continuously ~~increasing~~ decreasing the pitch of the screw 10s from the driving system connection end 17 to the output end 16 (as shown in Figure 3B). In another embodiment of the invention, shown in Figure 3C, both the OD and pitch of the screw 10s are varied at the same time.--